

WHAT IS CLAIMED IS:

1. A system for editing television signals comprising:
a plurality of input connectors for receiving separate input video signals,
and an output connector;
5 a mixer for generating at said output connector a real-time output video
signal derived from at least one of said input video signals;
a single display monitor for simultaneously displaying each of said input
video signals and said output video signal; and
an imager coupled between said mixer and said display monitor for
10 causing at least three images to be displayed on said display monitor in a split-
screen format, said at least three images corresponding to said input video signals
and said output video signal.
2. The system of Claim 1, further comprising at least one additional input
15 connector for receiving one or more input audio signals and an additional output
connector, said mixer further for generating a real-time output audio signal at said
additional output connector derived from at least one said input audio signal.
3. The system of Claim 1, said imager comprising a first, second and third
20 quad split PC board coupled together to generate a desired display arrangement on
said display monitor.
4. The system of Claim 1, wherein said display monitor is a single liquid
crystal display (LCD) and said display monitor includes a computer VGA output.
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5. The system of Claim 4, wherein said display monitor is factory set to a
color reference standard.
6. The system of Claim 2 further comprising:

an input panel coupled to said mixer comprising said plurality of input connectors for receiving said input video signals and said one or more input audio signals;

5 a monitor patch panel coupled between said input panel, said mixer and said imager;

an LCD driver coupled between said imager and said display monitor;

an audio monitoring system coupled to said mixer and said input panel for causing each said input audio signal and said output audio signal to be heard;

10 a private line (P-L) communication and tally system coupled to said mixer; and

an output panel coupled to said mixer and said P-L communication and tally system comprising each said output connector.

7. The system of Claim 6 further comprising a portable housing for
15 containing said system for editing television signals.

8. The system of Claim 7, further comprising a flexible arm light attached to said housing for illuminating said system for editing television signals in low light levels.
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9. The system of Claim 7, further comprising a hood detachably attached to said housing for decreasing ambient light on said display monitor.

10. The system of Claim 7, wherein said housing is flat black to minimize
25 visual reflections.

11. The system of Claim 7, said input panel connectors comprising at least one analog video signal connector, at least one digital video signal connector, at least one analog audio signal connector, and at least one digital audio signal connector.
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12. The system of Claim 8, wherein said input panel, said output panel and said monitor patch panel are disposed on said housing to enable logical and quick understanding by an operator of said system for editing television signals.

5 13. The system of Claim 12, wherein said input panel is located on a left side of said housing, said output panel is located on a right said of said housing, and said monitor patch panel is located at a backside of said housing.

10 14. The system of Claim 13, wherein said input and output panels are each disposed at an angle to enable easier viewing of said input panel connectors and said output panel connectors.

15 15. The system of Claim 7, said audio monitoring system comprising an LED display set, at least one monitor volume control, at least one loud speaker and at least one headphone connector.

20 16. The system of Claim 7, said output panel connectors comprising at least one analog video signal connector, at least one digital video signal connector, at least one analog audio signal connector, and at least one digital audio signal connector.

25 17. The system of Claim 16, said output panel connectors for causing said output video signal and said output audio signal to be coupled to a video recorder, a computer, a microwave device, a satellite device, and a DVD device.

30 18. The system of Claim 1, said mixer comprising at least two time base correctors and a plurality of video transitions and special effects, said mixer further for generating a preview signal derived from at least one of said input video signals.

19. A system for editing television signals comprising:

a plurality of input connectors for receiving separate input video signals
and at least one input audio signal and at least two output connectors;

5 a mixer for generating at one said output connector a real-time output
video signal derived from at least one of said input video signals and for
generating at a separate output connector a real-time output audio signal derived
from at least one said input audio signal;

a single display monitor for simultaneously displaying each of said input
video signals and said output video signal; and

10 an imager coupled between said mixer and said display monitor for
causing at least three images to be displayed on said display monitor in a split-
screen format, said at least three images corresponding to said input video signals
and said output video signal.

15 20. A system for editing television signals comprising:

a plurality of input connectors for receiving separate input video signals
and at least one input audio signal and at least two output connectors;

20 a mixer for generating at one said output connector a real-time output
video signal derived from at least one of said input video signals and for
generating at a separate output connector a real-time output audio signal derived
from at least one said input audio signal;

a single display monitor for simultaneously displaying each of said input
video signals and said output video signal;

25 an imager coupled between said mixer and said display monitor for
causing at least three images to be displayed on said display monitor in a split-
screen format, said at least three images corresponding to said input video signals
and said output video signal; and

an audio monitoring system coupled to said mixer for causing each said
input audio signal and said output audio signal to be heard.

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21. A system for editing television signals comprising:

a plurality of input connectors for receiving separate input video signals and at least one input audio signal and at least two output connectors;

5 a mixer for generating at one said output connector a real-time output video signal derived from at least one of said input video signals, for generating at a separate output connector a real-time output audio signal derived from at least one said input audio signal, and for generating a preview signal derived from at least one of said input video signals;

10 a single display monitor for simultaneously displaying each of said input video signals and said output video signal;

an imager coupled between said mixer and said display monitor, said imager comprising a first, second and third quad split PC board coupled together for causing at least three images to be displayed on said display monitor in a split-screen format, said at least three images corresponding to said input video signals and said output video signal;

15 an input panel coupled to said mixer comprising each of said input connectors;

a monitor patch panel coupled between said input panel, said mixer and said imager;

20 an LCD driver coupled between said imager and said display monitor;

an audio monitoring system coupled to said mixer and said input panel for causing each said input audio signal and said output audio signal to be heard;

a private line (P-L) communication and tally system coupled to said mixer;

25 an output panel coupled to said mixer and said P-L communication and tally system comprising each said output connector; and

a portable housing for containing said system for editing television signals.

22. A portable suitcase housing for containing a system for editing television signals, said system having a plurality of input connectors and an output

connector, a mixer, a single display monitor, and an imager, said suitcase housing comprising an interior and exterior, a left side, a right side, a lid and a bottom, wherein said input connectors are disposed on said left side, said output connectors are disposed on said right side, said mixer is disposed in said exterior and on said bottom of said suitcase housing, and said display monitor is disposed in said lid of said suitcase housing.

23. A method for editing television signals comprising:

receiving a plurality of input video signals;

generating a real-time output video signal derived from at least one of said input video signals;

causing at least three images to be displayed on a single display monitor in a split-screen format, said at least three images corresponding to said input video signals and said output video signal.

24. The method of Claim 23 further comprising receiving at least one input audio signal, generating a real-time output audio signal derived from at least one said input audio signals, and causing each said input audio signal and said output audio signal to be heard.

25. A method for editing television signals comprising:

receiving a plurality of input video signals and at least one audio input signal;

generating a real-time output video signal derived from at least one of said input video signals and a real-time output audio signal derived from at least one said input audio signals;

causing at least three images to be displayed on a single display monitor in a split-screen format, said at least three images corresponding to said input video signals and said output video signal; and

5 causing each said input audio signal and said output audio signal to be heard.

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